

LIST OF CURRENT CLAIMS

1. ~~(Currently Amended) A mapping arrangement for defining selected geometric characteristics of a surface to be imaged, the arrangement comprising a template device for temporary application to said surface; said template device carrying markings of known dimensions and at known relative orientations such that, when photographed in situ on said surface, it provides a computer supplied with a digital image of the photograph with data permitting said geometric characteristics of the surface to be accurately defined by said computer, and thereby permits the computer to utilise software, requiring inputs indicative of said characteristics, capable of changing the appearance of the imaged surface in accordance with user selection~~

A mapping system for defining selected perspective characteristics of one or more substantially planar surfaces to be imaged, the system comprising:

a template device for temporary application to each surface, wherein the template device includes markings of known dimensions and at known relative orientations;

a visualisation module configured to display a digital image of a photograph of said one or more surfaces, with said template devices in situ, and to enable a user to delineate in the displayed image an outline of each of the one or more surfaces, and thereby select a region of the image which corresponds to each of the one or more surfaces; and

a mapping module configured to determine perspective characteristics of the one or more surfaces based on the template device markings, and to change, under user control, the appearance of the selected region(s) of the image in accordance with the perspective characteristics of the respective surfaces.

2. (Cancelled)

3. (Previously Presented) An arrangement according to claim 1 wherein the said markings include components defining a rectangular frame with opposing sides being substantially parallel, thereby permitting the accurate derivation of perspective data for the surface.
4. (Original) An arrangement according to claim 3 wherein the parallel sides are substantially aligned with perspective defining edges of said surface.
5. (Previously Presented) An arrangement according to claim 1 wherein at least a portion of the template device is formed to reflect incident light to a predetermined extent, thereby permitting the derivation of suitable brightness data for the surface.
6. (Previously Presented) An arrangement according to claim 1 wherein the template device further comprises a directional indicator to indicate the orientation of patterns or ornamentation incorporated by means of the software into surface treatments to be displayed on the image of said surface.
7. (Original) An arrangement according to claim 6 wherein said directional indicator comprises a broad arrowhead device.
8. (Cancelled)
9. (Currently Amended) ~~A method of mapping a surface comprising the steps of:~~
~~(a) temporarily attaching to the surface a template device carrying marks of known dimensions and at known relative orientations;~~
~~(b) providing a photograph of said surface with the template device in situ;~~
and
~~(c) inputting a digital representation of said photograph to a computer provided with software capable, under user control, of changing the appearance of an image of the surface displayed thereby;~~
~~the template device providing the computer with information permitting one or more geometric characteristics of the surface to be accurately defined by said computer~~

A method of mapping substantially planar surfaces comprising:

(a) temporarily attaching to each of one or more surfaces a template device carrying markings of known dimensions and at known relative orientations;

(b) providing a photograph of said surface with the template device in situ;
and

(c) inputting a digital representation of said photograph to a computer provided with software capable of displaying a digital image thereof; and

(d) using the software to delineate in the displayed image an outline of each of the one or more surfaces, and thereby select a region of the image which corresponds to each of the one or more surfaces;

wherein the markings on the template device(s) provide the computer with data permitting perspective characteristics of each of the one or more surface(s) to be determined by the computer, in accordance with the perspective characteristics of the respective surfaces.

10. (New) An arrangement according to claim 1, wherein the mapping module is configured to determine provisional perspective characteristics from the template markings; to select line segments from the outline delineated by the user for that surface based on said provisional perspective characteristics; and to identify the perspective characteristics with higher accuracy based on said selected line segments.